

Product Name : " Water Cooler Trainer System "
Product Code : " R.A.C 40 "



Description :

Water Cooler Trainer System:-

DESCRIPTION:-

This unit consists of a hermetically sealed compressor with air cooled condenser. A capillary is next to condensers followed by medium temperature evaporators. Electrical energy supplied to the compressor can be measured by energy meter. This Test Rig is used to perform the following experiments.

Control Panel:-

- 1 MCB (suitable for unit)
- 2 Voltmeter Digital type – 1 Nos.
- 3 Amp. Meter Digital type – 1 Nos.
- 4 Energy Meter for Compressor input.
- 5 Switches Indication Lights etc.

6 Digital Temperature Indicator :1Nos.

7 Temperature Sensor (Thermocouple) : 4 Nos.

8 Voltage: Single Phase 220 Volts 50Hz. AC Supply

TECHNICAL SPECIFICATION	Description
Compressor	Emerson Copland / Tecumseh India Hermetical compressor
Compressor Capacity	1/5 HP
Condenser	Suitable for above compressor with suitable copper Tube Air Cooled.
Expansion Device	Capillary tube& Filter / Drier
Pressure Gauge	2 Nos. for high and low pressure
Service valves	2 Nos. Hand set valve
Evaporator Coil	SS Tank 30 liters capacity with copper tube & s
Refrigerant	Freon – 134a
Cooling Capacity	20 liters
Rotameter	Suitable for Compressor capacity Glass Tube R measure the flow of liquid refrigerant gas.